

10

FELD Yair et al

00

Group Art Unit:

Attorney
Docket: 00/20989

Examiner:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

[illegible]

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

This Information Disclosure Statement is being filed subsequent to the issuance of an Office Action and the amount of \$180.00 is due therefor.

Authorization to charge the above late fee of **\$180.00** to the Credit Card number listed on the attached Credit Card Payment Form **PTO-2038** is attached herewith. In the event additional fees are required, please charge these additional fees to Deposit Account 50-1407. In the unlikely event payment by the Credit Card issuer is refused, please charge the late fee of **\$180.00** to Deposit Account 50-1407.

This Information Disclosure Statement under 37 CFR 1.56 is not to be construed as representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any or more of these citations constitutes prior art.

Respectfully submitted,

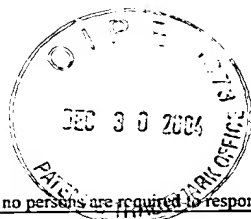
Sol Sheinbein
Registration No. 25,457

Dated: December 28, 2004

001/04/2005 AMUNDIAFI 00000008 501407 09691889

01 FC:105 180.00 DA

PTO/SB/08a (08-03)



PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/691,889
				Filing Date	October 20, 2000
				First Named Inventor	FELD Yair et al
				Group Art Unit	
				Examiner Name	
Sheet	2	Of	3	Attorney Docket Number	00/20989
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	8	Feld et al. "Electrophysiological Modulation of Cardiomyocytic Tissue by Transfected Fibroblasts Expressing Potassium Channels: A Novel Strategy to Manipulate Excitability", Circulation 105(4): 522-9, 2002.			
	9	Hammond et al. "Angiogenic Gene Therapy for Heart Disease: A Review of Animal Studies and Clinical Trials", Cardiovasc Res 49(3): 561-7, 2001.			
	10	DeGroot et al. "Clinical Review 131: Gene Therapy for Thyroid Cancer: Where Do We Stand?", J Clin Endocrinol Metab 86(7): 2923-8, 2001.			
	11	Siegel "Biotechnology and Clinical Trials", J Infect Dis 185(Suppl 1): S52-7, 2002.			
	12	Reinlib et al. "Cell Transplantation as Future Therapy for Cardiovascular Disease?: A Workshop of the National Heart, Lung, and Blood Institute", Circulation 101(18): E182-7, 2000.			
	13	Roth et al. "Nonviral Transfer of the Gene Encoding Coagulation Factor VIII in Patients With Severe Hemophilia A", N Engl J Med 344(23): 1735-42, 2001.			
	14	Fast et al, " Anisotropic conduction in monolayers of neonatal rat heart cells cultured on collagen substrate", Circ Res. 1994 Sep;75(3):591-5.			
	15	Marshall "Gene Therapy's Growing Pains", Science 269: 1050-1055, 1995.			
	16	Verma et al. "Gene Therapy - Promises, Problems and Prospects", Nature 389(6648): 239-42, 1997.			
	17	Johns et al, "Adenovirus-mediated expression of a voltage-gated potassium channel in vitro (rat cardiac myocytes) and in vivo (rat liver). A novel strategy for modifying excitability.", J Clin Invest. 1995 Aug;96(2):1152-8.			
	18	Nuss et al, "Overexpression of a human potassium channel suppresses cardiac hyperexcitability in rabbit ventricular myocytes", J Clin Invest. 1999 Mar;103(6):889-96.			
	19	Donahue et al, " Focal modification of electrical conduction in the heart by viral gene transfer", Nat Med. 2000 Dec;6(12):1395-8.			
	20	Miller et al. "Targeted Vectors for Gene Therapy", FASEB J. 9(2): 190-9, 1995.			
	21	Orkin et al. "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy": 1-40 1995, + http://nih.gov/news/panelrep.html (1975).			
	22	Koh et al. "Differentiation and Long-Term Survival of C2C12 Myoblast Grafts in Heart", J Clin Invest 92(3): 1548-54, 1993.			
	23	Soonpaa et al. "Formation of Nascent Intercalated Disks Between Grafted Fetal Cardiomyocytes and Host Myocardium", Science 264(5155): 98-101, 1994.			
Signature		Considered			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹. Applicant's unique citation designation number (optional). ². Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/691,889
				Filing Date	October 20, 2000
				First Named Inventor	FELD Yair et al
				Group Art Unit	
				Examiner Name	
Sheet	3	Of	3	Attorney Docket Number	00/20989
	22	Rook et al, " Differences in gap junction channels between cardiac myocytes, fibroblasts, and heterologous pairs", Am J Physiol. 1992 Nov;263(5 Pt 1):C959-77.			
	23	Gussoni et al. "Normal Dystrophin Transcripts Detected in Duchenne Muscular Dystrophy Patients After Myoblast Transplantation", Nature 356(6368): 435-8, 1992.			
	24	Freed et al. "Survival of Implanted Fetal Dopamine Cells and Neurologic Improvement 12 to 46 Months After Transplantation for Parkinson's Disease", N Engl J Med 327(22): 1549-55, 1992.			
	25	Jockusch et al. "Long-Term Expression of Isomyosins and Myoendocrine Functions in Ectopic Grafts of Atrial Tissue", Proc Natl Acad Sci USA 83(19): 7325-9, 1986.			
	26	Bader et al. "Repair and Reorganization of Minced Cardiac Muscle in the Adult Newt (Notophthalmus Viridescens)", J Morphol 155(3): 349-57, 1978.			
	27	Lerche et al. "Ion Channels and Epilepsy", Am J Med Genet 106(2): 146-59, 2001.			
	28	Luo et al. "A Model of the Ventricular Cardiac Action Potential. Depolarization, Repolarization, and Their Interaction", Circ Res 68(6): 1501-26, 1991.			
	29	Marom et al. "Modeling State-Dependent Inactivation of Membrane Currents", Biophys J. 67(2): 515-20, 1994.			
	30	Marom "Slow Changes in the Availability of Voltage-Gated Ion Channels: Effects on the Dynamics of Excitable Membranes", J Membr Biol 161(2): 105-13, 1998.			
	31	Marom et al. "State-Dependent Inactivation of the Kv3 Potassium Channel", Biophysical Journal 67: 579-589, 1994.			

Signature		Considered	
-----------	--	------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹. Applicant's unique citation designation number (optional). ². Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.